

## List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 9 (Cancelled).

10. (Currently Amended) A field device for monitoring and/or determining a process variable of a medium, wherein the process variable is preferably a fill level, viscosity or density of the medium, comprising:

an oscillatable unit, a driving/receiving unit, which excites said oscillatable unit to oscillate, or which receives oscillations of said oscillatable unit, as the case may be; and

a control/evaluation unit, which controls the oscillations of said oscillatable unit, or which evaluates the oscillations of said oscillatable unit, as the case may be, wherein:

said control/evaluation unit produces an accretion alarm, when the oscillation frequency  $[(f)]$  of the oscillations of said oscillatable unit falls below an adjustable limit value  $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$ ; and

said adjustable limit value  $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$  is ~~determinable and/or calculable~~ determined and/or calculated at least from measured and/or calculated dependencies of the oscillation frequency  $[(f)]$  on process conditions ~~and/or~~ and on the said process variable to be monitored and/or determined.

11. (Currently Amended) The field device as claimed in claim 10, wherein: the process variable is fill level; and

said adjustable limit value  $(G)$  is ~~determinable and/or calculable~~ determined and/or calculated as a function of the use of the field device, whether as a minimum switch  $(G_{\text{Minimum}})$  or as a maximum switch  $(G_{\text{Maximum}})$ .

12. (Currently Amended) The field device as claimed in claim 10, wherein:  
said adjustable limit value  $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$  is ~~determinable and/or~~  
~~calculable~~ determined and/or calculated from the smallest oscillation frequency  
[[f]] as a function of the maximum with reference to the field device, allowable  
process conditions ~~and/or~~ and as a function of the maximum, with reference to  
the field device ~~and/or~~ and with reference to the application allowable process  
variable to be monitored and/or determined.

13. (Currently Amended) The field device as claimed in claim 10, wherein:  
said adjustable limit value  $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$  is ~~determinable and/or~~  
~~calculable~~ determined and/or calculated taking into consideration ~~a maximum~~  
~~allowable accretion~~, or a frequency change associated with the a maximum  
allowable accretion.

14. (Currently Amended) The field device as claimed in claim 10, wherein:  
the said process conditions involve temperature and/or pressure and/or  
density and/or viscosity and/or fill level of the medium.

15. (Currently Amended) The field device as claimed in claim 10, further  
comprising:

a review unit which produces an accretion alarm independently of said  
control/evaluation unit, when the oscillation frequency [[f]] of said oscillations of  
said oscillatable unit falls below an adjustable limit value  $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$ .

16. (Currently Amended) The field device as claimed in claim 10, wherein:  
said control/evaluation unit produces a "free" report, when the oscillation  
frequency [[f]] of the oscillations of said oscillatable unit exceed an adjustable  
over-value [[O]]; and

the said adjustable over-value [[O]] is ~~determinable and/or calculable~~  
determined and/or calculated from measured and/or calculated dependencies of

the oscillation frequency  $[(f)]$  on the process variable to be determined and/or to be monitored.

17. (Currently Amended) The field device as claimed in claim 16, wherein:  
the said adjustable over-value  $[(O)]$  is ~~determinable and/or calculable~~  
determined and/or calculated from a greatest oscillation frequency  $[(f)]$  as a  
function of corresponding maximum, in reference to the field device, allowable  
process conditions and as a function of said oscillatable unit oscillating  
uncovered.

18. (Currently Amended) The field device as claimed in claim 16, wherein:  
the said adjustable over-value  $[(O)]$  is ~~determinable and/or calculable~~  
determined and/or calculated taking into consideration a maximum allowable  
accretion, or a frequency change associated with the maximum allowable  
accretion.